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archæological and anthropological resources of Maine, New Jersey, Kentucky, Oregon, etc. There are in all the States societies of natural history, and it would be pleasant to know whether they discuss anthropological topics. Many private collections of great value are to be found in the States; who knows about them? Now I shall be delighted to have the following questions answered with reference to every State in the Union: 1. Name of society, publication, or collection, public or private, devoted to the whole or a part of anthropology. 2. The nature of this relation to the science with lists of printed books or references in print to these. 3. The name and address of the person who will be glad to give information.

O. T. MASON.

Smithsonian Institution, Washington, D.C., Mar. 11.

The Aboriginal American Tea.

COMMENTING on my recent query as to any recent use of *Ceanothus Americanus* as a substitute for China tea, Professor W. J. McGee of the United States Geological Survey writes me:—

"Your little note in a current number of *Science* on aboriginal tea is before me. The eastern portion of the Great Plains, including Iowa, Illinois, and parts at least of Missouri, Minnesota, and Wisconsin, is a favorite habitat of the so-called "red root" or "red-root tea" (*Ceanothus Americanus*); and during war times, when the prices of tea and coffee were prohibitory, so far at least

as first settlers in that country were concerned, many substitutes were employed. The common substitute for tea was the red-root, and it was very largely used in this way. The commonest substitute for coffee was rye, usually mixed with a small quantity of the coffee berry, both roasted and browned in the usual way. I should say, perhaps, that the identification of *Ceanothus Americanus* is partly my own and may possibly be erroneous."

I hope we may have other such interesting and valuable replies.

JED. HOTCHKISS.

Staunton, Va.

The Date of Discovery of the Galapagos Islands.

I AM indebted to Dr. H. Wichmann, the editor of *Petermann's Mitteilungen*, for an answer to my question in *Science* of Jan. 15, 1892: "At what time were the Galapagos Islands discovered?" Dr. H. Wichmann kindly calls my attention to a paper on the history of discovery of the Galapagos Islands, by Timóñez de la Espada, published in *Boletín de la Sociedad Geogr. de Madrid*, Oct.-Dec., 1891., XXXI., Nos. 4-6. From this it is evident. Dr. Wichmann writes, that the discovery of the islands, "Archipelago Encantado," was made the 10th of March, 1535, by Fray Tomás de Berlanga, Bishop of Castilla del Oro, whose report is printed in the paper.

G. BAUR.

Clark University, Worcester, Mass., Mar. 14.

CALENDAR OF SOCIETIES.

Philosophical Society, Washington.

Mar. 12.—B. Pickman Mann, An Attempted Solution of a Social Problem; Alex. S. Christie, Remarks on the Diurnal Variation of the Barometer; G. M. Searle, On a Simple Form of a Double Image Micrometer.

Society of Natural History, Boston.

Mar. 16.—J. Walter Fewkes, The Moki Snake Dance.

Oriental Club, Philadelphia.

Mar. 17.—Cyrus Adler, An Account of his Recent Travels in the East.

Publications received at Editor's Office.

- COLBERT, E. *Humanity in its Origin and Early Growth*. Chicago, Open Court Pub. Co. 120. 409 p. \$1.50.
- HOOGWERFF, J. A. *Magnetic Observations at the U. S. Naval Observatory*. Washington, Government. 4^o. Paper. 99 p.
- MARSH, C. C. *Report upon some of the Magnetic Observations of Europe*. Washington, Government. 4^o. Paper. 37 p.
- U. S. NAVAL OBSERVATORY. *Meteorological Observations and Results, 1883-1887*. Washington, Government. 4^o. Paper. 261 p.
- U. S. COAST AND GEODETIC SURVEY. *Results of Magnetic Observations at Los Angeles, California, 1882-1889. Part I*. Washington, Government. 4^o. Paper. 42 p.
- Early Expeditions to the Region of Bering Sea and Strait*. Washington, Government. 4^o. Paper. 14 p.
- International Geodetic Association, Ninth Conference*. Washington, Government. 4^o. Paper. 12 p.
- Notes on an Early Chart of Long Island Sound*. Washington, Government. 4^o. Paper. 4 p.
- On an Approximate Method of Computing Probable Error. On the Determination by Least Squares of the Relation between two Variables*. Washington, Government. 4^o. Paper. 16 p.
- On the Use of Observations of Currents for Prediction Purposes*. Washington, Government. 4^o. Paper. 12 p.
- The National Prototypes of the Standard Metre and Kilogramme*. Washington, Government. 4^o. Paper. 23 p.
- The Relation of the Yard to the Metre*. Washington, Government. 4^o. Paper. 5 p.
- Tides at Sandy Hook. Observed and Predicted Times and Heights during the year 1889*. Washington, Government. 4^o. Paper. 10 p.
- WHYMPER, EDWARD. *Travels amongst the Great Andes of the Equator; with Supplementary Appendix*. New York; Charles Scribner's Sons. 8^o. 2 vols. Pp. 486, 175.

Business Department.

Geo. L. English & Co., mineralogists, 733 and 735 Broadway, New York, have just received a large lot of fine cut Opals, which were secured by Mr. Niven in Mexico, and they are prepared to supply customers at unprecedentedly low prices. Read Advertisement.

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ADDRESS WANTED.—Will some one please send the address of the Secretary of the American Philological Society. Also that of Herbert Spencer. "ADDISON," Room 84, 164 Madison St., Chicago, Ill.

ADDRESSES of Old Book Dealers wanted.—Wishing to obtain a number of old books out of print. I very much desire the addresses or catalogues of rare second-hand book dealers. If there is a directory or list of such dealers I should like to obtain possession of one. W. A. BLAKELY, Chicago, Ill.

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BOOK-REVIEWS.

A Manual of the Steam-Engine. Part II: Design, Construction, and Operation. By R. H. THURSTON. New York, Wiley. 8°. \$7.50.

THE first part of the "Manual of the Steam-Engine" we have already noticed. Its purpose was twofold: (1) the development of the mathematical theory from the simple form applicable to the Carnot engine to a form that would assist the mechanical engineer in following the flow of energy into the engine of practice and its conversion into power or loss in many ways; (2) the application of the principles of thermo-dynamics and the data obtained by experiment to the computation of the quantities of heat, steam, and fuel required for the production of power in a given engine, and the determination of the proportions of engine and distribution of steam that would give the best result.

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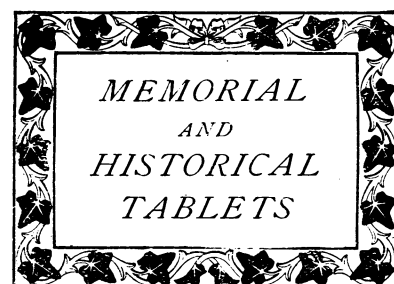
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